Lawrence Livermore National Laboratory

The Availability of CAS Information to Livermore Users

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Available CAS information

- DOE Order 430.1B
  - Facility Information Management System (FIMS) reporting requirements
  - TYSP
- “Knowledge is Power” approach at LLNL – Capture CAS data and integrate into existing processes
  - Cost Savings
  - Efficiency
  - Partnering
- CAS becomes an institutional tool for facility management and planning

Who uses the CAS information

- The Livermore Site Focus
  - Facility Management personnel
  - Senior Management
  - Building occupants
  - Crafts persons
  - Maintenance Engineering

- Anyone, Anytime

Making CAS available

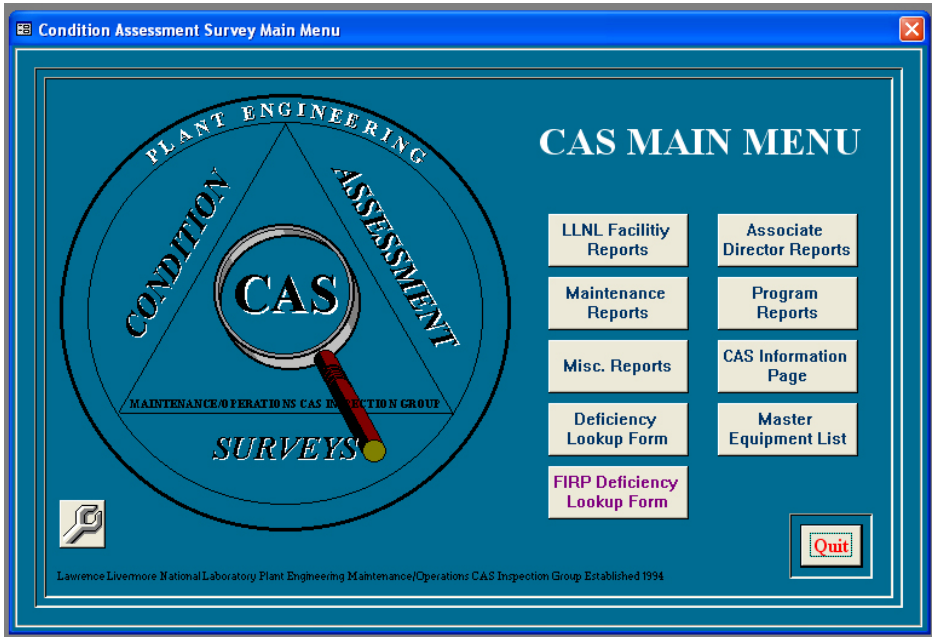
Livermore CAS Structure

Custom reports were generated

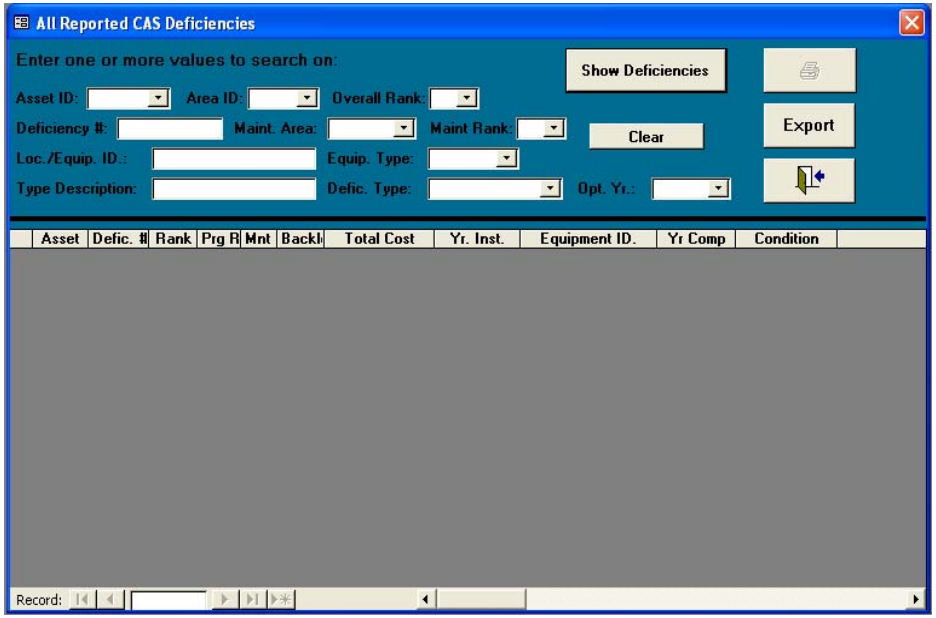
- **Excel**
- **Access**
- **Access w/ GUI's for user defined reporting**
- **Web-based application**

LLNL MS Access CAS interface

- MS Access is a universally installed software at LLNL
- Linked to LLNL's Master Equipment List (MEL) database
- Available on the internal network 24/7
- Self-help
- Updated daily



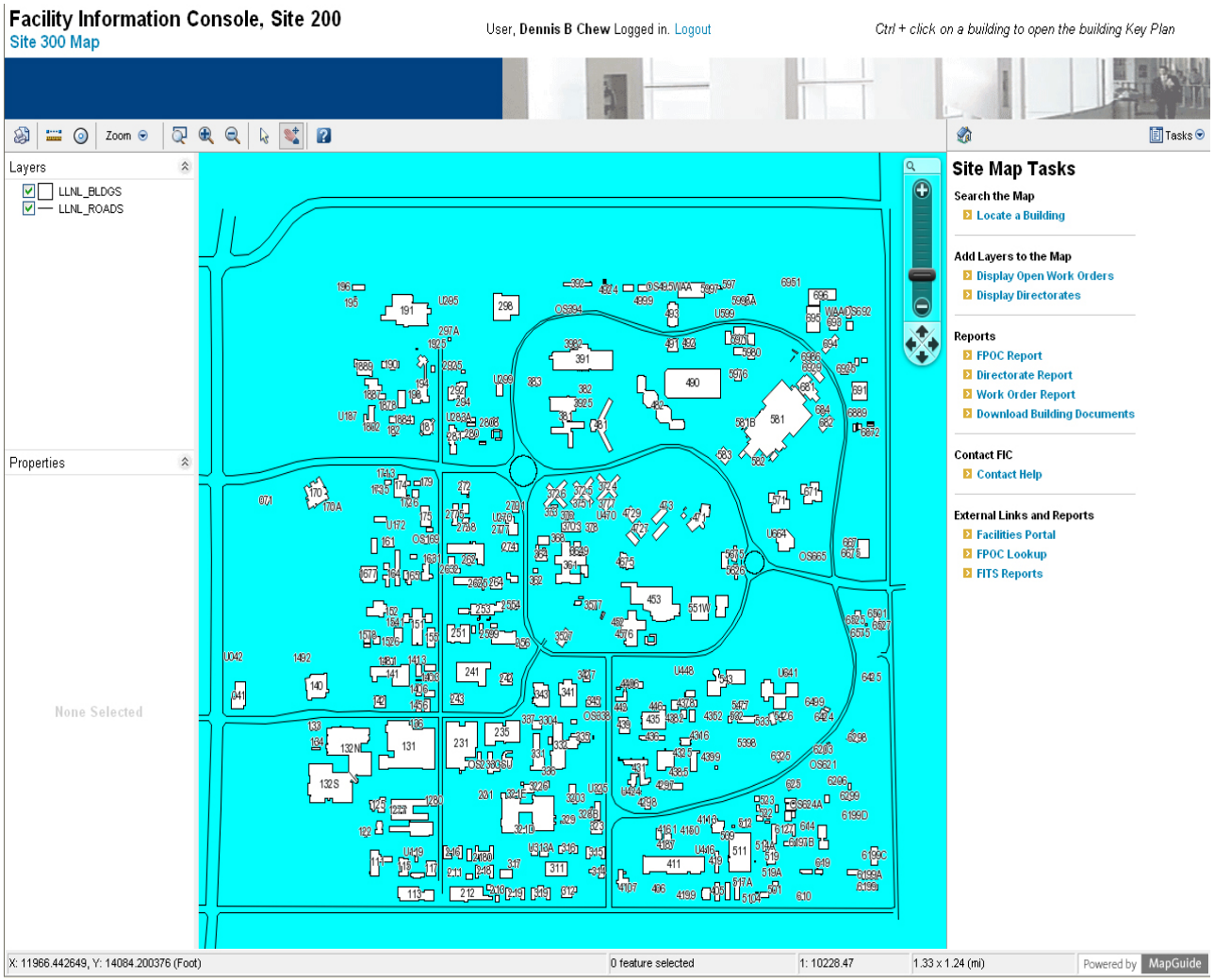
LLNL MS Access CAS interface



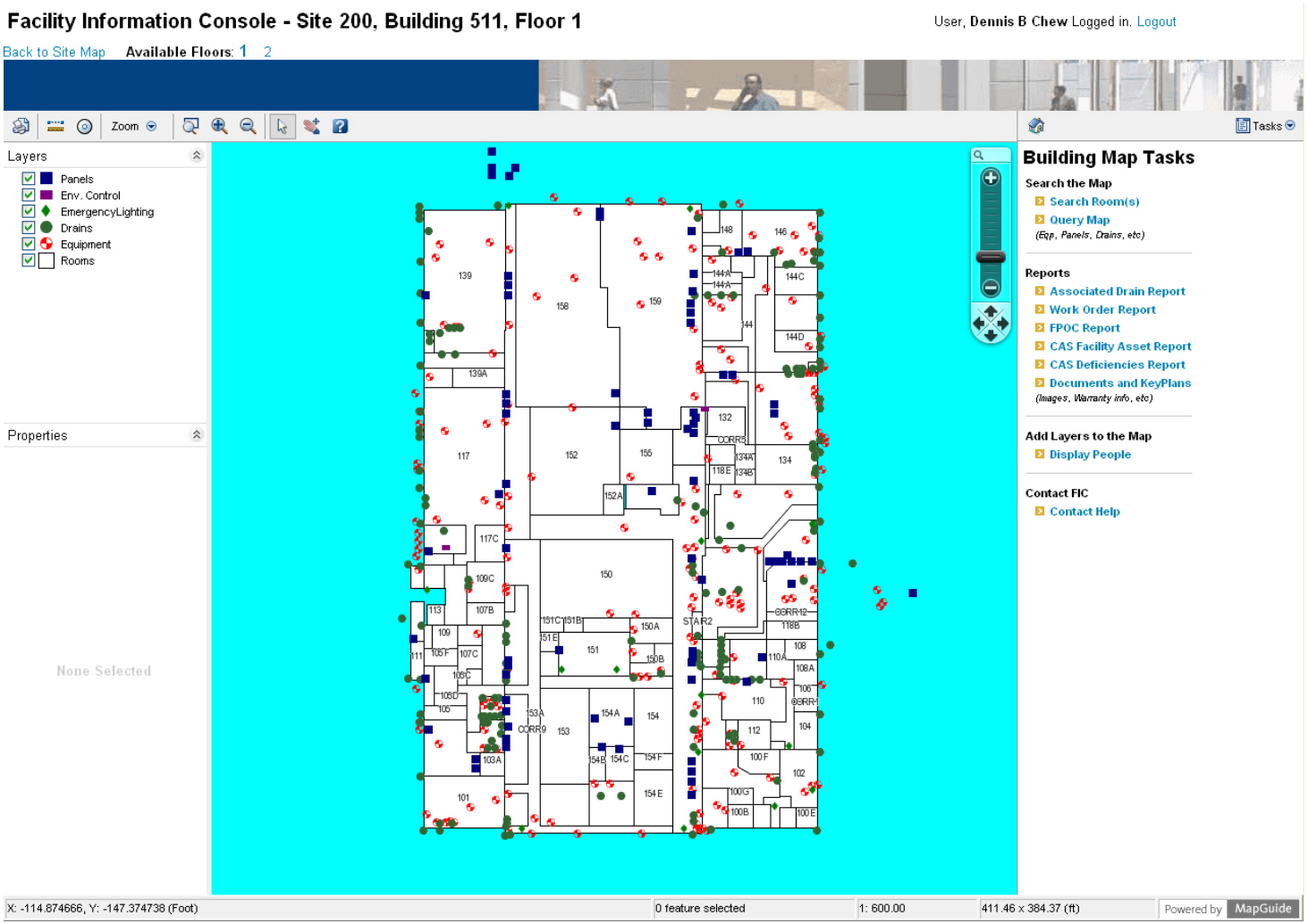
LLNL Facility Information Console

- In-house developed geographical information system known as the Facility Information Console – FIC for short
- MapGuide 2007 software based
- Site Map interactive GUI with internal links to LLNL databases including:
  - Key plans
  - Equipment locations
  - Electrical one-lines
  - Drain
  - CAS/CAIS
  - …etc
- Internal web-site address with security features built-in to protect sensitive information

LLNL Facility Information Console cont….



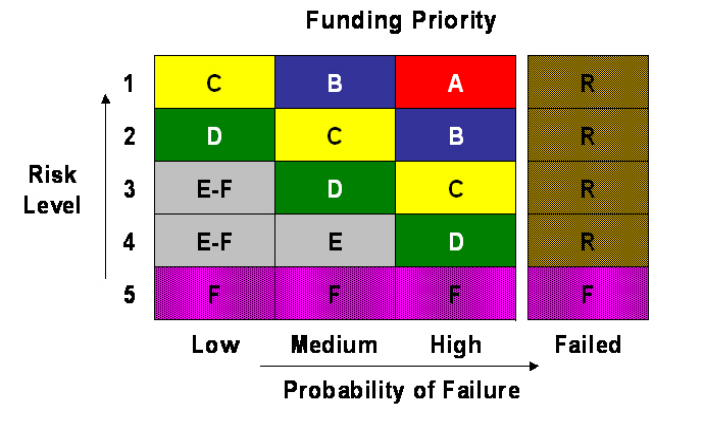
LLNL Facility Information Console cont….



How LLNL uses the CAS information

Project Prioritization

- Maintenance Reinvestment
- FIRP



- Users provide the risk level
- Maintenance provides the probability of failure

Other Uses

- Work Control process
- Included in the Asset Folder when assets change ownership
- Maintenance Engineering
- Custom reports for facility management personnel